

## ABSTRACT OF THE DISCLOSURE

Systems and methods are described for rapid parameter passing. A method includes enumerating a set of parameters; providing an indication in a first set of arrays of whether to acquire from a first program portion an information associated with one or more parameters of the set of parameters, in response to a second program portion issuing a query to a third program portion for identifying the one or more parameters; populating a second set of arrays in an image of the first set of arrays with the information received from the first program portion associated with the one or more parameters, in response to a request from the second program portion; evaluating the third program portion by utilizing the information associated with the one or more parameters from the second set of arrays to derive an output from the third program portion for return to the second program portion; and conveying the output from the second program portion to the first program portion. An apparatus for evaluating a rule includes an interrogator for querying said rule to determine one or more requirements including parameters that need to be fulfilled by data such that said rule can be evaluated; a parameter block interface having one or more fields for passing the data to the rule; and an evaluator for dynamically filling the one or more fields of said parameter block interface responsive to the one or more requirements determined from said rule.

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